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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/043,438	01/10/2002	Keijo Laiho	032986-020	1334

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ERICSSON INC.
6300 LEGACY DRIVE
M/S EVR C11
PLANO, TX 75024

EXAMINER	
DOAN, KIET M	
ART UNIT	**PAPER NUMBER**
2683	

DATE MAILED: 03/15/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/043,438	LAIHO ET AL.	
	Examiner	Art Unit	
	Kiet Doan	2683	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *19 November 2004*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *25-33,38-43,47 and 48* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *25-33,38-43,47 and 48* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *10 January 2002* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☒ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date *01/10/02*.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

Election/Restrictions

This office action is response to Election/Restrictions file on November 19, 2004. Claim 1-24, 34-37 and 44-46, are canceled.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

Claims 25-33, 38-43 and 47-48 are rejected under 35 U.S.C. 102(e) as being anticipated by Ahmavaara et al. (Patent No. 6,792,278).

Consider **claim 25**, Ahmavaara teaches a method of initiating a connection to a multi-mode mobile telecommunication device (C3, L35-39, Illustrate MS which read on mobile telecommunication device),comprising the step of sending a paging message to the mobile telecommunication device from a core network, the paging message specifying a preferred mobile telecommunication access network for the connection (Abstract, C3, L41-67, C4,L1-9, Fig.1 Illustrate core network which sending a paging message to the mobile telecommunication device).

Consider **claim 26**, Ahmavaara teaches the method additionally comprising the

step of returning a paging response signal from the mobile telecommunication device to the core network over the preferred mobile access network, and subsequently setting up the connection over the preferred mobile telecommunication access network (C5, L5-39 teach call return/paging to core network and set up new connection).

Consider **claim 27**, Ahmavaara teaches the method additionally comprising the step of returning a paging response signal from the mobile telecommunication device to the core network over a mobile access network to which the device is currently monitoring, and subsequently setting up the connection over the preferred mobile telecommunication access network (C4, L5-18, Fig.2, Illustrate response which means as step of returning a paging response signal).

Consider **claim 28**, Ahmavaara teaches the method wherein the step of sending a paging signal to the mobile telecommunication device comprises the step of transmitting a paging signal specifying the preferred mobile telecommunication access network for the connection over each of a plurality of networks to which the device may monitor (C3, L52-67, Fig.2, Illustrate call/paging which sending a paging signal to the mobile telecommunication device).

Consider **claim 29**, Ahmavaara teaches the method wherein the connection is one of a facsimile connection, data connection, or multi-media connection (C5, L40-67, C6, L1-24)

Consider **claim 30**, Ahmavaara teaches the method according wherein the preferred mobile telecommunication access network for the connection is one of a GSM access network and a UMTS access network (C10, L25-29, teach GSM and UMTS).

Consider **claim 31**, Ahmavaara teaches a paging control system for a multi-mode mobile telecommunication device, the system comprising: input means for receiving a connection setup message corresponding to an new connection for the multi-mode mobile telecommunication device (C3, L35-40 teach terminal connection set up via transceiver base station); and means for determining from the connection setup message whether there is a preferred mobile telecommunication access network for the connection (C5, L5-21 teach set up connection).

Consider **claims 32 and 47**, Ahmavaara teaches the paging control system and additionally comprising transmission means for causing the transmission of a paging message corresponding to the connection setup message over respective paging channels of two or more mobile telecommunication access networks serving the multi-mode mobile telecommunication device, the paging message containing an indication of a preferred mobile telecommunication access network for the connection (C3, L35-56 teach plurality of base transceiver station which means as transmission of a paging).

Consider **claim 33**, Ahmavaara teaches the paging control system to claim 31,

wherein the system is located in a Mobile Switching Centre of a core network serving a plurality of access networks (C3,L54-58, Fig.1, Illustrate MSC and plurality of access networks).

Consider **claim 38**, Ahmavaara teaches a multi-mode mobile telecommunication device comprising: means for receiving a paging message initiating a connection, the paging message containing an indication of a preferred mobile telecommunication access network for the connection; means for determining the preferred mobile telecommunication access network from the paging message (C3, L52-61, teach paging message which send/call); and means for transmitting a paging response signal over the preferred mobile telecommunication access network (C3, L35-40, Fig.2, teach base transceiver station which receiving and transmitting paging response signal)

Consider **claim 39**, Ahmavaara teaches a method of setting up a connection to a multi-mode mobile telecommunication device, the method comprising the steps of: sending a paging request from a core network to the device via at least one access network,; receiving at the core network a paging response from the device via an access network to whose paging channel(s) the device is currently listening (Abstract, C3, L5, L5-38); determining whether that access network can support the connection; and if it is determined that the access network to which the device is listening cannot support the connection, establishing a communication channel to the mobile telecommunication device over a second mobile access network that can support the

connection (C5, L40-67, C6, L1-17).

Consider **claim 40**, Ahmavaara teaches a method of completing an incoming or outgoing call to a multi-mode mobile telecommunication device when a pre-existing call is connected to the mobile telecommunication device, the method comprising the step of: determining whether the mobile telecommunication access network over which the pre-existing call is established can support the new call (C5, L44-67, C6, L1-17).

Consider **claim 41**, Ahmavaara teaches the method as claimed in claim 40, additionally comprising the step of: if it is determined that the mobile telecommunication access network over which the pre-existing connection is established cannot support the new connection, transferring the pre-existing connection to a second mobile telecommunication access network that can support the new connection, and establishing the new connection over the second network (C4, L20-40).

Consider **claim 42**, Ahmavaara teaches a method of handling a connection to a multi-mode mobile telecommunication device, the method comprising the steps of: setting up the connection over a first mobile telecommunication access network that can support the connection (C3, L35-67, Fig.1, Illustrate connection and network) ; determining whether a second mobile telecommunication access network can support the connection; and if it is determined that the second mobile telecommunication access

network cannot support the connection, inhibiting handover of the connection to the second mobile telecommunication access network (C4, L53-67).

Consider **claim 43**, Ahmavaara teaches the method wherein said step of inhibiting a potential handover of the connection to the second mobile telecommunication access network is initiated by a MSC/SGSN, which sends a blocking signal to the RNC/BSC of the current access network (C3, L27-40).

Consider **claim 48**, Ahmavaara teaches a method of establishing a connection to a device via a specific one of a plurality of domains defined in a mobile telecommunication system, comprising: the step of sending paging messages via one or both of the other domains, the paging messages identifying the preferred domain (C3, L26-51, Fig.1, Illustrate plurality of base station which read on plurality of domains).

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

1. Bening et al. US. 6,628,942
2. Turina et al. US. 6,771,983
3. Wallentin et al. US. 6,292,667
4. Ruuska US. 6,584,330
5. Purnadi et al. US. 6,708,031

6. Einola et al. US. 6,438,370

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kiet Doan whose telephone number is 703-305-4749. The examiner can normally be reached on 8am - 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Trost can be reached on 703-308-5318. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Kiet Doan
Patent Examiner

WILLIAM TROST
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600